

Docket No.: 31229-226445  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Graham EASTHAM et al.

International Application No:  
PCT/GB2004/002859

Confirmation No.: Not Yet Assigned

International Filing Date:  
July 1, 2004

Application No.: Not Yet Assigned

Art Unit: Not Yet Assigned

Filed: Concurrently Herewith

Examiner: Not Yet Assigned

For: PROCESS FOR THE  
HYDROFORMYLATION OF  
ETHYLENICALLY UNSATURATED  
COMPOUNDS

Customer No:  
26694  
PATENT TRADEMARK OFFICE

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

A concise explanation of relevance of documents AA-AD and BA-CF listed on form PTO/SB/08 is in the form of an International Search report of International Application No. PCT/GB2004/002859, which refers to the relevant portions of the references. Copies of the documents AA-AD and BA-CF are not being provided since copies are furnished directly by WIPO under an exchange program between the PTO, the EPO and the JPO.

The relevance of document AE listed on form PTO/SB/08A is in the form of a International Preliminary Examination Report. A copy of the International Preliminary Examination Report is also attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Application No.: Not Yet Assigned

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The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 22-0261, under Attorney Docket No. 31229-226445.

Dated: December 21, 2005

Respectfully submitted,

By   
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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	Not Yet Assigned	
			Filing Date	Concurrently Herewith	
			First Named Inventor	Graham EASTHAM et al.	
			Art Unit	Not Yet Assigned	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	31229-226445

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US-4,517,061-A	05-14-1985	Jean-Francois FAUVARQUE et al.	
	AB	US-4,900,413-A	02-13-1990	Masato TANAKA et al.	
	AC	US-5,245,098-A	09-14-1993	Fernando J. HAMILTON et al.	
	AD	US-6,348,621-B1	02-19-2002	Graham Ronald EASTHAM et al.	
	AE	US-4,504,684	03-12-1985	Joseph R. FOX et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	FR-2,034,147	12-11-1970	Institut Francais du Petrole		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	WANG et al., "Polymer-Bound Bidentate-Phosphine-Palladium Complex As A Catalyst In The Heck Arylation", J. Org. Chem, 1994, pages 5358-5364, Vol. 59, No. 18.	
	CB	HOFMANN et al., "bis(di-t-butylphosphino)methane complexes of rhodium: homogeneous alkyne hydrosilylation by catalyst-dependent alkyne insertion into rh-si or rh-h bonds. molecular structures of the dimer [(dtbpm) rhcl] <sub>2</sub> and of the silyl complex (dtbpm) rh[si(oet) <sub>3</sub> ](pme <sub>3</sub> )", Journal of Organometallic Chemistry, 1995, pages 51-70, Vol. 490.	
	CC	LINDNER et al., "Catalytic Activity Of Cationic Diphosphopalladium (II) Complexes In The Alkene/Co Copolymerization In Organic Solvents And Water In Dependence On The Length Of The Alkyl Chain At The Phosphine Ligands", Journal of Organometallic Chemistry, 2000, pages 173-187, Vol. 602.	
	CD	RICHMOND et al., "Preparation Of New Catalysts By The Immobilization Of Palladium(II) Species Onto Silica: An Investigation Of Their Catalytic Activity For The Cyclization Of Aminoalkynes", J. Am Chem. Soc., 2001, pages 10521-10525, Vol. 123.	
	CE	TAMAO et al., "Alkyl Group Isomerization In The Cross-Coupling Reaction Of Secondary Alkyl Grignard Reagents With Organic Halides In The Presence Of Nickel-Phosphine Complexes As Catalysts", Journal of the American Chemical Society, 1972, pages 9268-9269, Vol. 94.	
	CF	JONES et al, "Rhodium-Catalyzed Activation And Functionalization Of The C-C Bond Of Biphenylene", Organometallics, 2001, pages 5745-5750, Vol. 20.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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